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V—362—2017

FACULTY OF SCIENCE

B.Sc. (Second Year) (Third Semester) EXAMINATION

OCTOBER/NOVEMBER, 2017

COMPUTER SCIENCE

Paper VII

(Object Oriented Programming Using C++)

(Saturday, 16-12-2017)

Time : 2.00 p.m. to 5.00 p.m.

Time— Two Hours

Maximum Marks—40

N.B. :— (i) Assume suitable data if necessary.

(ii) Figures to the right indicate full marks.

(MCQ)

1. Select *correct* alternative for the following : 10

(i) OOP means.....oriented programming.

- (a) Obstacle (b) Object
(c) Optional (d) None of these

(ii) is not a data type in C++.

- (a) Float (b) Int
(c) Char (d) String

(iii)is scope resolution operator.

- (a) :: (b) : ?
(c) | | (d) = =

(iv)is a variable whose data type is class.

- (a) Object (b) Function
(c) Class (d) None of these

P.T.O.

- (v) The member function whose name is same as classname is called as
- (a) Class function (b) overloaded function
(c) constructor (d) None of these
- (vi)andare types of operator overloading.
- (a) unary, binary (b) single, double
(c) class, object (d) None of these
- (vii)is not a type of inheritance.
- (a) single (b) Multiple
(c) Mixed (d) Hybrid
- (viii)is used as increment operator.
- (a) ++ (b) --
(c) +- (d) -+
- (ix)is output statement in C++
- (a) printf (b) print
(c) scanf (d) cout
- (x)is not a looping statement in C++.
- (a) if (b) for
(c) while (d) do-while

(Theory)

2. Explain applications and advantages of OOPs. 10

Or

- (a) What are the different data types used in C++ ? 5
- (b) Explain structure of C++ program. 5

3. Explain constructor and destructor with example. 10

Or

(a) Explain for loop with syntax and example. 5

(b) Write a program in C++ to describe concept of class and object. 5

4. Write short notes on the following (any two) : 10

(a) Single Inheritance

(b) Library functions

(c) Function overloading

(d) cin and cout statement.